

Please type a plus sign (+) inside this box → PTO/SB/05 (11-00) *Form 50*

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. BB1191 DIV

First Inventor OMOLAYO O. FAMODU ET AL.

Title PLANT AMINO ACYL-TRNA SYNTHETASE

Express Mail Label No. EL073740714US

PTO

S

846589

J1000

05/01/01

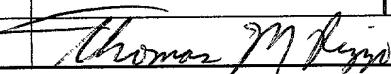
APPLICATION ELEMENTS		ADDRESS TO	
See MPEP chapter 600 concerning utility patent application contents.			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i>		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
2. <input type="checkbox"/> Applicant claims small entity status. <i>See 37 CFR 1.27.</i>			
3. <input checked="" type="checkbox"/> Specification [Total Pages 32]		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
- Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure		8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>	
4. <input type="checkbox"/> Drawing(s) (35 U.S.C.113) [Total Sheets 1]		a. <input checked="" type="checkbox"/> Computer Readable Form (CRF)	
5. Oath or Declaration [Total Pages 2]		b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper – 31 PAGES	
i. <input type="checkbox"/> DELETION OF INVENTOR(S) <i>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i>		c. <input checked="" type="checkbox"/> Statements verifying identity of above copies	
ACCOMPANYING APPLICATIONS PARTS			
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))			
10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of <i>(when there is an assignee)</i> Attorney			
11. <input type="checkbox"/> English Translation Document (if applicable)			
12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations			
13. <input checked="" type="checkbox"/> Preliminary Amendment			
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i>			
15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i>			
16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent			
17. <input type="checkbox"/> Other:			

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No: 09/352,990
Prior application information: Examiner K. KERR Group Art Unit: 1652

For **CONTINUATION or DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		 23906 <small>PATENT TRADEMARK OFFICE</small>		or <input type="checkbox"/> Correspondence address below	
Name <hr/> <hr/>					
Address <hr/> <hr/>					
City		State		Zip Code	
Country		Telephone		Fax	
Name (Print/Type)		THOMAS M. RIZZO		Registration No. (Attorney/Agent)	
Signature				Date	
				<i>May 1, 2001</i>	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

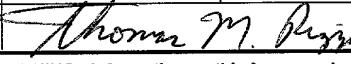
TOTAL AMOUNT OF PAYMENT (\$ 710)

Complete if Known

Application Number	UNKNOWN
Filing Date	CONCURRENTLY HEREWITH
First Named Inventor	OMOLAYO O. FAMODU ET AL.
Examiner Name	UNKNOWN
Group / Art Unit	UNKNOWN
Attorney Docket No.	BB1191 DIV

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																																																																																																																																				
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number 04-1928 Deposit Account Name E. I. du Pont de Nemours and Company <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity</th> <th style="text-align: left; width: 15%;">Small Entity</th> <th colspan="4" style="text-align: left;">Fee Description</th> <th style="text-align: right; width: 10%;">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th colspan="3"></th> <th></th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td colspan="3">Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td colspan="3">Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td colspan="3">Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td colspan="3">For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td colspan="3">Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td colspan="3">Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td colspan="3">Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td colspan="3">Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td colspan="3">Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td colspan="3">Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td colspan="3">Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td colspan="3">Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td colspan="3">Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td colspan="3">Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td colspan="3">Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td colspan="3">Petition to revive – unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td colspan="3">Petition to revive – unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td colspan="3">Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td colspan="3">Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td colspan="3">Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td colspan="3">Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td colspan="3">Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td colspan="3">Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td colspan="3">Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td colspan="3">Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td colspan="3">For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td colspan="3">Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td colspan="3">Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="7">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="3">SUBTOTAL (3)</td> <td>(\$ 0)</td> </tr> </tbody> </table>						Large Entity	Small Entity	Fee Description				Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)					105	130	205	65	Surcharge - late filing fee or oath				127	50	227	25	Surcharge - late provisional filing fee or cover sheet				139	130	139	130	Non-English specification				147	2,520	147	2,520	For filing a request for reexamination				112	920*	112	920*	Requesting publication of SIR prior to Examiner action				113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action				115	110	215	55	Extension for reply within first month				116	390	216	195	Extension for reply within second month				117	890	217	445	Extension for reply within third month				118	1,390	218	695	Extension for reply within fourth month				128	1,890	228	945	Extension for reply within fifth month				119	310	219	155	Notice of Appeal				120	310	220	155	Filing a brief in support of an appeal				121	270	221	135	Request for oral hearing				138	1,510	138	1,510	Petition to institute a public use proceeding				140	110	240	55	Petition to revive – unavoidable				141	1,240	241	620	Petition to revive – unintentional				142	1,240	242	620	Utility issue fee (or reissue)				143	440	243	220	Design issue fee				144	600	244	300	Plant issue fee				122	130	122	130	Petitions to the Commissioner				123	130	123	130	Petitions related to provisional applications				126	180	126	180	Submission of Information Disclosure Stmt				581	40	581	40	Recording each patent assignment per property (times number of properties)				146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))				149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))				179	710	279	355	Request for Continued Examination (RCE)				169	900	169	900	Request for expedited examination of a design application				Other fee (specify) _____								*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)			(\$ 0)
Large Entity	Small Entity	Fee Description				Fee Paid																																																																																																																																																																																																																																																																		
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																					
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																																																				
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																																																				
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																																				
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																				
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																				
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																				
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																																																																																				
116	390	216	195	Extension for reply within second month																																																																																																																																																																																																																																																																				
117	890	217	445	Extension for reply within third month																																																																																																																																																																																																																																																																				
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																																																																																																				
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																																																																																																				
119	310	219	155	Notice of Appeal																																																																																																																																																																																																																																																																				
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																				
121	270	221	135	Request for oral hearing																																																																																																																																																																																																																																																																				
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																				
140	110	240	55	Petition to revive – unavoidable																																																																																																																																																																																																																																																																				
141	1,240	241	620	Petition to revive – unintentional																																																																																																																																																																																																																																																																				
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																				
143	440	243	220	Design issue fee																																																																																																																																																																																																																																																																				
144	600	244	300	Plant issue fee																																																																																																																																																																																																																																																																				
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																				
123	130	123	130	Petitions related to provisional applications																																																																																																																																																																																																																																																																				
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																				
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																				
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																																																				
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																																																				
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																				
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																				
Other fee (specify) _____																																																																																																																																																																																																																																																																								
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)			(\$ 0)																																																																																																																																																																																																																																																																	
2. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity</th> <th style="text-align: left; width: 15%;">Small Entity</th> <th style="text-align: left; width: 15%;">Extra Claims</th> <th style="text-align: left; width: 15%;">Fee from below</th> <th style="text-align: left; width: 15%;">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td> <td>710</td> </tr> <tr> <td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (1)</td> <td>(\$ 710)</td> </tr> </tbody> </table>				Large Entity	Small Entity	Extra Claims	Fee from below	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid	101	710	201	355	Utility filing fee	710	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)					(\$ 710)	1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity</th> <th style="text-align: left; width: 15%;">Small Entity</th> <th style="text-align: left; width: 15%;">Fee Description</th> <th style="text-align: right; width: 15%;">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td><td>710</td><td>201</td><td>355</td> <td>Utility filing fee</td> <td>710</td> </tr> <tr> <td>106</td><td>320</td><td>206</td><td>160</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td><td>490</td><td>207</td><td>245</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td><td>710</td><td>208</td><td>355</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td><td>150</td><td>214</td><td>75</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table>						Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	710	201	355	Utility filing fee	710	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee																																																																																																																																																																												
Large Entity	Small Entity	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid																																																																																																																																																																																																																																																																				
101	710	201	355	Utility filing fee	710																																																																																																																																																																																																																																																																			
106	320	206	160	Design filing fee																																																																																																																																																																																																																																																																				
107	490	207	245	Plant filing fee																																																																																																																																																																																																																																																																				
108	710	208	355	Reissue filing fee																																																																																																																																																																																																																																																																				
114	150	214	75	Provisional filing fee																																																																																																																																																																																																																																																																				
SUBTOTAL (1)					(\$ 710)																																																																																																																																																																																																																																																																			
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																																																																																																																																																																					
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																					
101	710	201	355	Utility filing fee	710																																																																																																																																																																																																																																																																			
106	320	206	160	Design filing fee																																																																																																																																																																																																																																																																				
107	490	207	245	Plant filing fee																																																																																																																																																																																																																																																																				
108	710	208	355	Reissue filing fee																																																																																																																																																																																																																																																																				
114	150	214	75	Provisional filing fee																																																																																																																																																																																																																																																																				
3. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity</th> <th style="text-align: left; width: 15%;">Small Entity</th> <th style="text-align: left; width: 15%;">Extra Claims</th> <th style="text-align: left; width: 15%;">Fee from below</th> <th style="text-align: left; width: 15%;">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (2)</td> <td>(\$ 0)</td> </tr> </tbody> </table>				Large Entity	Small Entity	Extra Claims	Fee from below	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$ 0)																																																																																																																																																																																																																							
Large Entity	Small Entity	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid																																																																																																																																																																																																																																																																				
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																																																																																				
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																																																																																																				
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																																																																																																				
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																																																																																																																				
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																				
SUBTOTAL (2)					(\$ 0)																																																																																																																																																																																																																																																																			

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	THOMAS M. RIZZO	Registration No. Attorney/Agent)	41,272	Telephone	302-892-7760
Signature					Date May 1, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.